

## ABSTRACT OF THE DISCLOSURE

Alkaline electrochemical cells having extended service life and acceptable gassing and corrosion properties are disclosed. An amphoteric surfactant can be incorporated into the gelled anode mixture of an alkaline electrochemical cell, optionally with an organic phosphate ester surfactant or a sulfonic acid type organic surfactant or both. Zinc particles having a defined distribution of particle sizes can also be incorporated into a zinc anode. The electrolyte included in the anode mixture can have a reduced hydroxide concentration.